CIVIL QUALITY
CONSULTANTS & ENGINEERS
ISO 9001:2015 Certified & NABL Accredited
Laboratory as per ISO/IEC - 17025-2017

Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/AA/17/2021-2022 Date:22.09.2021

TEST REPORT ON CEMENT

Client : **Assistant Executive Engineer,** Yeshwanthpura Sub Division,BBMP, Bangalore.

Agency : **Sri. Ajaykumar A,** Contractor, Bangalore.

Name of Work : Comprehensive Developement of drains right side of Muthyalamma Temple in Ward No.17, J P Park, BBMP, Bangalore

Sample : :Cement (ACC 53 grade OPC)

Sample Supplied by: :AGENCY

Date of Manufacture: : August-2021

Date of Testing 20.09.2021 to 22.09.2021

Sl.No	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 269:2015
1	a) Initial Setting Time	IS-4031 (Part - 5):1988(RA 2014)	125 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part - 5):1988(RA 2014)	360 Minutes	Not More than 600 Minutes
2	Soundness	IS-4031 (Part 3) :1988 (RA 2014) by the Le-Chatelier method	1 mm	Not more than 10 mm
3	Standard Consistency	IS-4031 (Part -4)	30.00%	-

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 30days from the date of testing.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಯಶವಂತಪುರ ಉಪ ವಿಭಾಗ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

Authorised Signatory

Corporate Off.: No. 133, Bhuvaneshwarinagar, Doddabasti Main Road, Bangalore-560 056.
Contact: 8553518550, 080-23240644 Email: civilqualityconsultants@gmail.com

Scanned with CamScanner

CIVIL QUALITY CONSULTANTS & ENGINEERS
ISO 9001:2015 Certified & NABL Accredited Laboratory as per ISO/IEC - 17025-2017

Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/AA/17/2021-2022 Date 22.09.2021

TEST REPORT ON FINE AGGREGATES (SAND)

Client : **Assistant Executive Engineer,** Yeshwanthpura Sub Division,BBMP, Bangalore.
Agency : **Sri. Ajaykumar A,** Contractor, Bangalore.
Name of Work : Comprehensive Developement of drains right side of Muthyalamma Temple in Ward No.17, J P Park, BBMP, Bangalore

Date of Testing 22.09.2021
IS Code :IS 383:2016
:IS 2386 (Part 1):1963(RA 2011)
Material : Sand Total Wt. of Aggregates in gms **1000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Requirements as per IS 383:2016 Spec.Limits For Zone-II
10	0	0	0	100	100
4.75	72	7.20	7.20	92.8	90-100
2.36	140	14.00	21.20	78.8	75-100
1.18	165	16.50	37.70	62.3	55-90
600 Micron	263	26.30	64.00	36.0	35-59
300 Micron	190	19.00	83.00	17.0	8-30
150 Micron	112	11.20	94.20	5.8	0-10

Note:
1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 30days from the date of testing.

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಯಶವಂತಪುರ ಉಪ ವಿಭಾಗ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

Corporate Off.: No. 133, Bhuvaneshwarinagar, Doddabasti Main Road, Bangalore-560 056.
Contact: 8553518550, 080-23240644 Email: civilqualityconsultants@gmail.com

Scanned with CamScanner

CIVIL QUALITY CONSULTANTS & ENGINEERS
ISO 9001:2015 Certified & NABL Accredited Laboratory as per ISO/IEC - 17025-2017

Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/AA/17/2021-2022 Date 22.09.2021

TEST REPORT ON COARSE AGGREGATES

Client : **Assistant Executive Engineer,** Yeshwanthpura Sub Division,BBMP, Bangalore.

Agency : **Sri. Ajaykumar A,** Contractor, Bangalore.

Name of Work : Comprehensive Developement of drains right side of Muthyalamma Temple in Ward No.17, J P Park, BBMP, Bangalore

Date of Testing 22.09.2021

IS Code :IS 383:2016

:IS 2386 (Part 1):1963(RA 2011)

Material : 40mm Aggregates

Total Wt. of Aggregates in gms **15000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Requirements as per IS 383:2016
80	0	0	0	100	100
40	190	1.27	1.27	98.73	95-100
20	8521	56.81	58.07	41.93	30-70
10	3216	21.44	79.51	20.49	10-35
4.75	2712	18.08	97.59	2.41	0-5

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 30days from the date of testing.

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಧಿಕಾರಿಗಳು
ಯಶವಂತಪುರ ಉಪ ವಿಭಾಗ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

Corporate Off.: No. 133, Bhuvaneshwarinagar, Doddabasti Main Road, Bangalore-560 056.
Contact: 8553518550, 080-23240644 Email: civilqualityconsultants@gmail.com

Scanned with CamScanner

CIVIL QUALITY CONSULTANTS & ENGINEERS

ISO 9001:2015 Certified & NABL Accredited Laboratory as per ISO/IEC - 17025-2017

Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/AA/17/2021-2022

Date 22.09.2021

TEST REPORT ON COARSE AGGREGATES

Client : **Assistant Executive Engineer,** Yeshwanthpura Sub Division,BBMP, Bangalore.

Agency : **Sri. Ajaykumar A,** Contractor, Bangalore.

Name of Work : Comprehensive Developement of drains right side of Muthyalamma Temple in Ward No.17, J P Park, BBMP, Bangalore

Date of Testing 22.09.2021

IS Code :IS 383:2016

:IS 2386 (Part 1):1963(RA 2011)

Material : 20mm Aggregates

Total Wt. of Aggregates in gms= **5000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Requirements as per IS 383:2016
40	0	0	0	100	100
20	215	4.3	4.3	95.7	95-100
10	2654	53.1	57.4	42.6	25-55
4.75	2015	40.3	97.7	2.3	0-10

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 30days from the date of testing.

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಯಶವಂತಪುರ ಉಪ ವಿಭಾಗ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

Corporate Off.: No. 133, Bhuvaneshwarinagar, Doddabasti Main Road, Bangalore-560 056.
Contact: 8553518550, 080-23240644 Email: civilqualityconsultants@gmail.com

Scanned with CamScanner

CIVIL QUALITY CONSULTANTS & ENGINEERS

ISO 9001:2015 Certified & NABL Accredited Laboratory as per ISO/IEC - 17025-2017

Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/AA/17/2021-2022 Date 22.09.2021

TEST REPORT ON FINE AGGREGATES (SAND)
IS 1542-1992

Client : **Assistant Executive Engineer,** Yeshwanthpura Sub Division,BBMP, Bangalore.

Agency : **Sri. Ajaykumar A,** Contractor, Bangalore.

Name of Work : Comprehensive Developement of drains right side of Muthyalamma Temple in Ward No.17, J P Park, BBMP, Bangalore

Date of Testing 22.09.2021

Material : Plastering Sand Total wt. of aggregates in gms = **1000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits as per IS 1542-1992
10	0	0	0	100	100
4.75	15	1.50	1.50	98.5	95-100
2.36	18	1.80	3.30	96.7	95-100
1.18	33	3.30	6.60	93.4	90-100
600 Micron	72	7.20	13.80	86.2	80-100
300 Micron	261	26.10	39.90	60.1	20-65
150 Micron	550	55.00	94.90	5.1	0-15

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 30 days from the date of testing.

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಯಶವಂತಪುರ ಉಪ ವಿಭಾಗ

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

Corporate Off.: No. 133, Bhuvaneshwarinagar, Doddabasti Main Road, Bangalore-560 056.
Contact: 8553518550, 080-23240644 Email: civilqualityconsultants@gmail.com

Scanned with CamScanner

CIVIL QUALITY CONSULTANTS & ENGINEERS

ISO 9001:2015 Certified & NABL Accredited Laboratory as per ISO/IEC - 17025-2017

Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/AA/17/2021-2022 Date 22.09.2021

TEST REPORT ON FINE AGGREGATES (SAND)
IS 2116-1980

Client : **Assistant Executive Engineer,** Yeshwanthpura Sub Division,BBMP, Bangalore.

Agency : **Sri. Ajaykumar A,** Contractor, Bangalore.

Name of Work : Comprehensive Developement of drains right side of Muthyalamma Temple in Ward No.17, J P Park, BBMP, Bangalore

Date of Testing 22.09.2021

Material : Masonry Sand Total wt. of aggregates in gms = **1000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits as per IS 2116-1980
4.75	0	0.00	0.00	100.0	100
2.36	25	2.50	2.50	97.5	90-100
1.18	36	3.60	6.10	93.9	70-100
600 Micron	81	8.10	14.20	85.8	40-100
300 Micron	254	25.40	39.60	60.4	5-70
150 Micron	480	48.00	87.60	12.4	0-15

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 30 days from the date of testing.

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಯಶವಂತಪುರ ಉಪ ವಿಭಾಗ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

Corporate Off.: No. 133, Bhuvaneshwarinagar, Doddabasti Main Road, Bangalore-560 056.
Contact: 8553518550, 080-23240644 Email: civilqualityconsultants@gmail.com

Scanned with CamScanner

CIVIL QUALITY CONSULTANTS & ENGINEERS

ISO 9001:2015 Certified & NABL Accredited Laboratory as per ISO/IEC - 17025-2017

Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No: CQCE/BBMP/AA/17/2021-2022

Date 22.09.2021

TEST REPORT ON SOLID CONCRETE BLOCKS

Client : **Assistant Executive Engineer,** Yeshwanthpura Sub Division,BBMP, Bangalore.

Agency : **Sri. Ajaykumar A,** Contractor, Bangalore.

Name of the Work : Comprehensive Developement of drains right side of Muthyalamma Temple in Ward No.17, J P Park, BBMP, Bangalore

Date of Testing 22.09.2021

Size of Blocks : 400mm x 200mm x 200mm

Cross Sectional Area : 80000 mm^2

Technical Reference : IS: 2185 (Part 1) - 2005

No. of Blocks Tested : 04

Sl.No.	Block ID	Wt. in Kg	Failure load (KN)	Compressive strength (N/mm^2)	Block Density in Kg/M^3	Requirement as per IS 2185 (Part 1) - 2005
1	Block 1	33.2	362.1	4.53	2075.00	Minimum required Compressive Strength of Individual Units 4.00N/mm^2
2	Block 2	34.4	375.8	4.70	2150.00	
3	Block 3	35.6	382.3	4.78	2225.00	
4	Block 4	36.8	395.4	4.94	2300.00	

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 30 days from the date of testing.

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಯಶವಂತಪುರ ಉಪ ವಿಭಾಗ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

FOR CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

Corporate Off.: No. 133, Bhuvaneshwarinagar, Doddabasti Main Road, Bangalore-560 056.
Contact: 8553518550, 080-23240644 Email: civilqualityconsultants@gmail.com

Scanned with CamScanner

CIVIL QUALITY CONSULTANTS & ENGINEERS

ISO 9001:2015 Certified & NABL Accredited Laboratory as per ISO/IEC - 17025-2017

Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No: CQCE/BBMP/AA/17/2021-2022

Date: 12.10.2021

PRECAST SLAB 250mm Thick(CORE) TEST REPORT

Client	:	**: Assistant Executive Engineer,** Yeshwanthpura Sub Division,BBMP, Bangalore.
Contractor	:	**: Sri. Ajaykumar A,** Contractor, Bangalore.
Name of Work	:	: Comprehensive Developement of drains right side of Muthyalamma Temple in Ward No.17, J P Park, BBMP, Bangalore
No.of Sample Tested	:	03
Date of Testing	:	12.10.2021
Techinical Reference	:	IS:516-1959 (Reaffirmed 1999), SP-24:1983.
Grade of Concrete	:	M_{20}

Sl. No.	Dia of Core D (mm)	Height of Core H (mm)	Core Wt (Kg)	Density of Core (kg / m^3)	H / D	Correction factor (Based on H/D)	Failure Load (kN)	Core Strength (N/mm^2)	Correction Factor for the Dia. (Strength of the Core x 1.08)	Corrected Cylinder Compressive Strength (N/mm^2)	Equivalent Cube Compressive Strength (N/mm^2)
1	90.00	121.00	1.778	2309.78	1.34	0.960	108.20	17.01	18.37	17.63	22.04
2	90.00	125.00	1.869	2350.31	1.39	0.960	112.30	17.65	19.06	18.30	22.88
3	90.00	129.00	1.956	2383.44	1.43	0.965	114.80	18.05	19.49	18.81	23.51

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported reported within 30 days from the date of testing.

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಯಶವಂತಪುರ ಉಪ ವಿಭಾಗ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

FOR CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

Corporate Off.: No. 133, Bhuvaneshwarinagar, Doddabasti Main Road, Bangalore-560 056.
Contact: 8553518550, 080-23240644 Email: civilqualityconsultants@gmail.com

Scanned with CamScanner